method **100** can be performed at the RTMS **10** of FIGS. **1** and **2**, and/or other elements of the environment illustrated in FIG. **1**. The method **100** can be governed by instructions that are stored in a memory device of the RTMS **10** of FIGS. **1** and **2**, and/or other elements of the environment illustrated in FIG. **1**, and executed by a hardware processor of the RTMS **10** of FIGS. **1** and **2**, and/or other elements of the environment illustrated in FIG. **1**.

[0061] At block **102**, items, for example, goods **21** are coupled to tags **22**, and can be sold to or otherwise acquired by a consumer. The tags **22** may be associated with the items **21** at the time of manufacturing, for example, by a representative of the retail establishment offering the items **21** for sale, or by the customer **15**. The tags **22** are constructed and arranged to exchange electronic communication signals with a beacon reader **12**, and for including unique identification data that distinguishes the tags **22** from each other. As described herein, each tag **22** can include data, metadata, or the like regarding the items **21** to which the tags **22** are associated, respectively, and can transmit a unique identification when radiated. In particular, the tag **22** has the unique identifier, and an association can be formed, or established, at a time of purchase where the purchase data may be electronically communicated at the time of the e-receipt. In another example, the association could be set by the customer **15** by scanning the QR code and a tag receiver picking up the unique identifier off the tagged item **21**.

[0062] At block **104**, the tag reader **12** is configured to communicate with the tags **22**. The beacon reader **12** can include one or more different beacons, and can be positioned anywhere proximal to the items **21**, for example, home, office, automobile, or anywhere the items **21** may be tracked. The reader **12** is configured to be associated with what is being tracked. For example, a reader on the washing machine would track the input of clothes. The input of clothes into the washer would indicate the usage of soap and the wear. Thus, the tag reader **12** can receive tracking data from the tags **22** to determine use-related information and/or movements with respect to the items **21** corresponding to the tags **22**.

[0063] At block **106**, the beacon reader **12** can connect with a communications network, for example, the Internet. In doing so, the beacon reader **12** can communicate data received from the tags **22** to the RTMS **10** and/or other system that can process the received data.

[0064] At block **108**, the tags **22** are registered with a subscription service, for example, for automatic replacement, replenishment, or upgrade services with respect to the consumer goods **21**. For each item **21**, the RTMS **10** sets a recommendation as to whether the item **21** should be refilled, replenished, replaced, or upgraded. The user may override this setting. The override may be the case where they always want a replacement instead of a refill or upgrade. The subscription service may include tagged IoT devices, for example, described herein, to acquire the necessary upgrade, refill, or replenishment items in accordance with the subscription service. In registering with a subscription service, the tags **22** can be associated with the corresponding items **21**.

[0065] The association between tag **22** and item **21** may occur at the time of purchase when the retailer assigns the tag **22** to the item **21**. In creating this association, for example, at a point of sale system or other retail electronic device, the product information to which the tag **22** is

associated may information such as expiration date, purchase date, warranty period, and so on. In other embodiments, the consumer **15** may associate the tag **22** with the item **21**, for example, set by the user when the tag is first read. The tag reader **12** may communicate the tag **21** to the system **10**, which in response may communicate back to the user's interface for authentication or confirmation of the information.

[0066] At block **110**, one or more guidelines are set. In some embodiments, the guidelines include TOT replenishment guidelines for the items **22** through the subscription service. Guidelines may be initially set by the manufacturer such as serving sizes, consumption rates, every so many miles of usage, number of switch flips, and so on. From this, the usage may be tracked and a predictive threshold may be computed as to when something should be replaced, refilled, repaired, or upgraded. The replenishment guidelines may be based upon consumer request, for example, an electronic submission of a request. In some embodiments, automatic replenishment is set for items that the customer **15** uses regularly. In some embodiments, the tag **22** can register a remaining product left based on movement. For example, a tag **22** may transmit a number which is read by one or more readers **121**. The RTMS **10** registers the movement of tags **22** when the tags **22** are picked up by different readers **12**. The movement of tags **22** may be assumed as usage of the items to which the tags **22** are attached. For example, when clothes are thrown into the washer their tags are read by the tag reader on the washer indicating usage of clothes, which computes to be a serving of laundry detergent, fabric softener, and so on. It also indicates the wearing of the clothes which will wear out and need to be replaced, Movement of a tagged item **21** can be tracked by a triangulation between beacon readers **12** and the tag **22**.

[0067] A tag **22** may move with the corresponding item **21** many times. In some embodiments, a predetermined threshold number of movements may be established, and configured and stored at the tag tracking device **34** or pattern analyzer **40**. Here, the order processor **36** can automatically order a quantity of the item **21**, for example, for replenishment, when the pattern analyzer **40** establishes that the actual number of movements of the item is at or exceeds the threshold value. Similarly, the pattern analyzer **40** can calculate use of the item **21** in a predicted consumption or pre-failure determination analysis, for example, when estimating an end-of-life of the item **21** due to wear and tear, life expectancy, and so on. The notification generator **44** can generate an order preview which can be sent to the user **15**. This may ensure that the item **22** is not automatically ordered for moving about but not used.

[0068] Another guideline may relate to item tracking guidelines. Tagged items **21** can be tracked by a tag signal via the beacon reader **12** so that the tag **22** is in communication with the beacon reader **12**. Once the tag **22** is proximal the beacon reader **12**, for example, sufficiently close to the beacon reader **12** so that a communication exchange can occur, the beacon reader **12** can register where and when the tag **22** is at the point where the beacon reader **12** establishes a communication with the tag **22**. Here, tag data can be output via the Internet or other network in communication with the beacon reader **12** to the RTMS **10**, where the data can be stored at the database **42**. Once the RTMS **10** receives this data, the RTMS **10** can notify the customer **15** if the tag **22** moves outside a predetermined